CHRYSLER MOTORS

W R Kittle
Director
Vehicle Safety and Emissions
Quality and Productivity Office

RECEIVED
1989 APR 21 PM 2:32
OFFICE OF DEFECTS INVESTIGATION

April 18, 1989

Mr. Michael B. Brownlee, Director
Office of Defects Investigation, Enforcement
National Highway Traffic Safety Administration
U. S. Department of Transportation
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Mr. Brownlee:

Reference: NHTSA Identification Number 89V-027

Enclosed are representative copies of communications relating to the referenced recall. While the number of vehicles involved had previously been estimated at 4,300 in our Defect Information Report, the exact number is 4,633.

This completes the package of information for this recall as required by the Defects Report Regulation.

Sincerely,

William R. Kittle

WRK/ann

Enclosures: Recall #274T

Chrysler Motors Corporation
C.V.S. 416-13-20
12000 Chrysler Drive
Highland Park MI 48288-1919

Service Procedure (Continued)

4. Remove the 2 adjusting bolts securing the accelerator cable bracket to the air plenum chamber (Figure 2). Also remove kickdown cable bracket on automatic transmission vehicles (Figure 3).

   Note: On vehicles without speed control, mark the location of the bolt heads on the slotted bracket holes so the bracket can be later reinstalled in its original adjusted position. The bracket position need not be marked on speed control vehicles since these will require cable replacement.

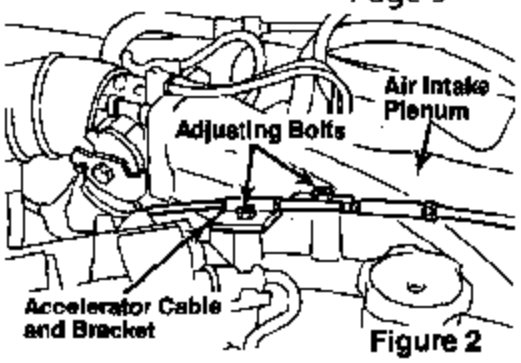

Figure 2

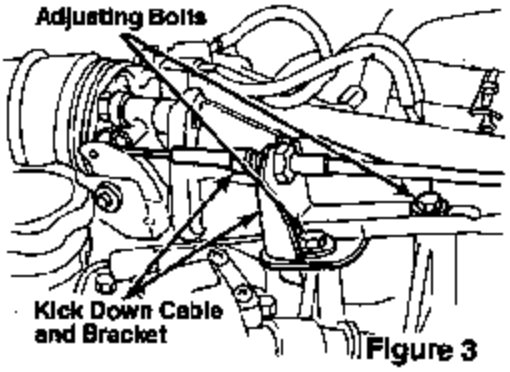

Figure 3

5. Disengage accelerator/kickdown cable(s) from the throttle lever.

6. On vehicles with speed control:

   - Locate the speed control unit at the left front inner fender area.
   - Remove the two cover bolts and remove the cover from the unit (Figure 4).
   - Remove coolant overflow bottle.
   - Disconnect accelerator cable from the speed control unit and discard cable.

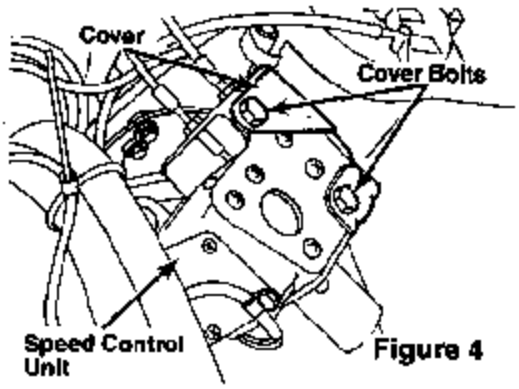

Figure 4

7. Remove the throttle body from the air plenum chamber without disturbing the coolant hose attachments (Figure 5). Discard the 4 throttle body attaching bolts.

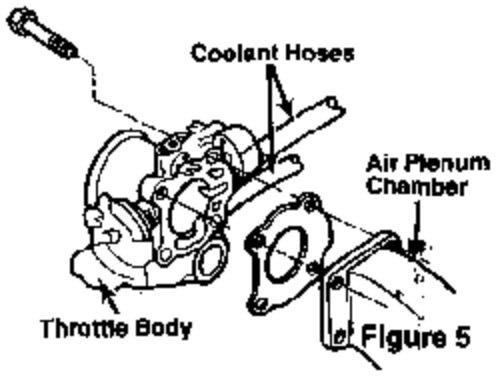

Figure 5

Service Procedure (Continued)

8. Thoroughly clean the throttle body and plenum gasket surfaces.

9. Refer to Figure 6 to install the supplied heat adaptor plate:

   - Attach the supplied coolant hose and sleeve assembly to the *upper* fitting of the supplied heat adaptor plate.
   - Using the new, supplied gasket between the adaptor and the plenum, install the throttle body with the supplied, longer attaching bolts. Torque to 100 in. lbs. (12 n·m).

   Note: Install adaptor plate with coolant fittings toward the cowl and the fitted "O" ring adaptor seal toward the throttle body.

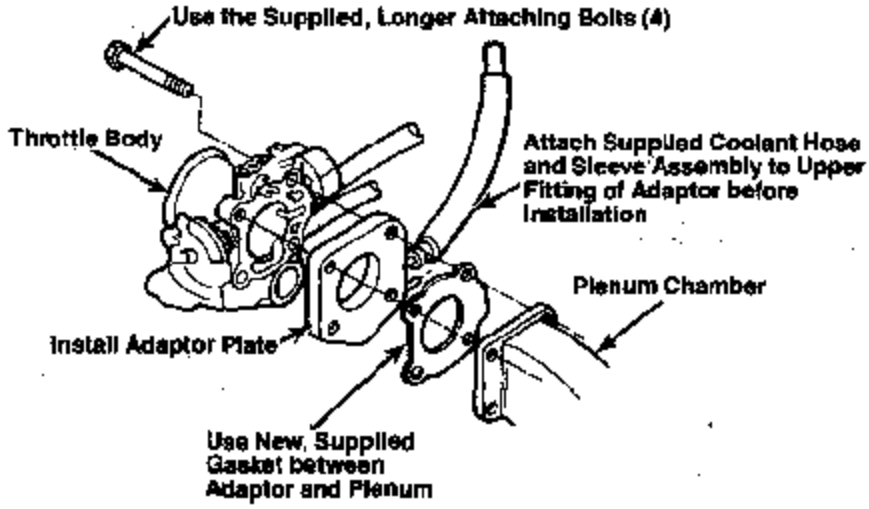
Use the Supplied, Longer Attaching Bolts (4)
Throttle Body
Attach Supplied Coolant Hose and Sleeve Assembly to Upper Fitting of Adaptor before Installation
Plenum Chamber
Install Adaptor Plate
Use New, Supplied Gasket between Adaptor and Plenum

Figure 6

10. Disconnect the outboard coolant hose from the throttle body fitting (Figure 7).

    Note: Some coolant loss will occur. Care should be taken if the coolant is hot.

11. Using silicone to ease the installation, slide the supplied sleeve over the disconnected hose.

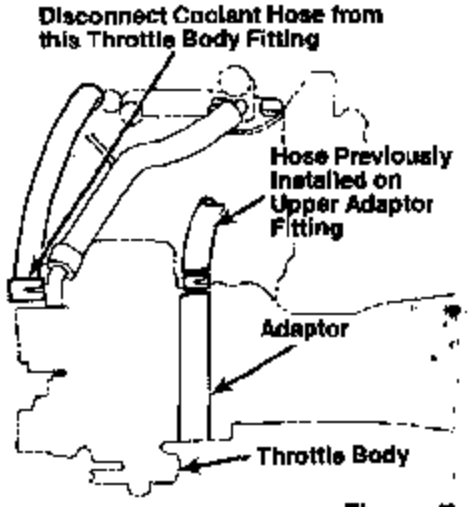
Disconnect Coolant Hose from this Throttle Body Fitting
Hose Previously Installed on Upper Adaptor Fitting
Adaptor
Throttle Body

Figure 7

Service Procedure (Continued)

12. Attach the disconnected hose end to the lower fitting on the adaptor (Figure 8).

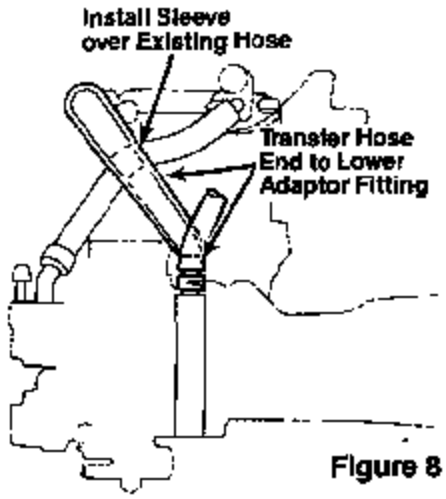

Figure 8

13. Route the hose from the upper adaptor fitting to the open fitting on the throttle body (Figure 9). Do not secure the hose clamp at this time -- this connection will be used to bleed the coolant system later in the procedure.

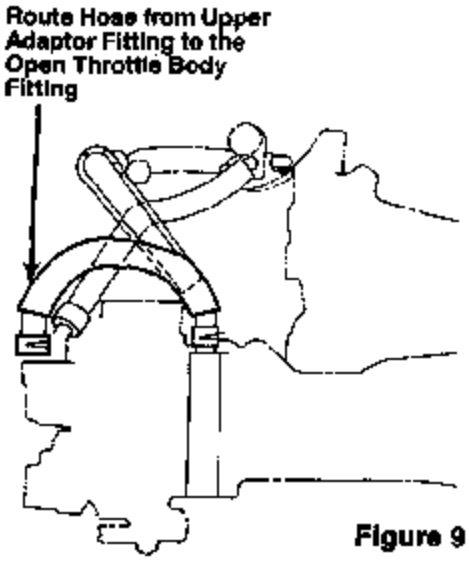

Figure 9

14. Install the supplied cable attachment adaptor bracket to the plenum chamber (Figure 10). Apply thread adhesive to the attachment screws before installing and torque to 70 in. lbs. (8 n·m).

    Note: Be sure to install adaptor bracket in the correct direction, with the tapped holes in the bracket toward the throttle body as shown.

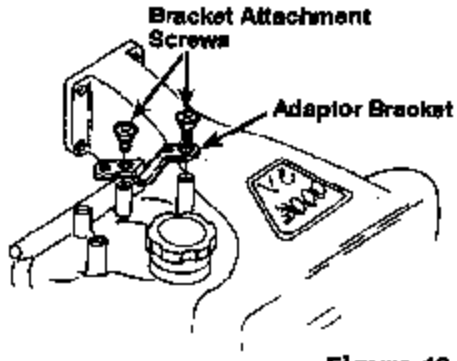

Figure 10

15. On vehicles with speed control, install the supplied new cable -- initially connecting the cable at the speed control unit.

Service Procedure (Continued)

16. Adjust the cable at the unit to the dimension shown in Figure 11 (15 mm) and tighten the adjustment nut. Reinstall the speed control unit cover (2 bolts) Reinstall coolant overflow bottle.

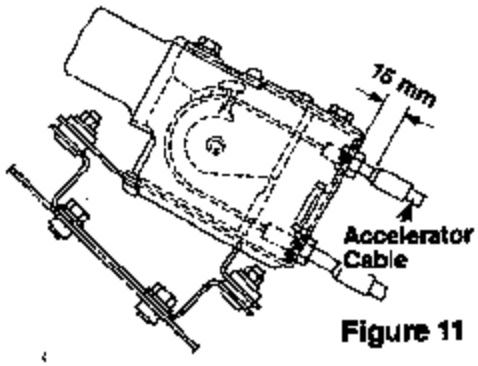

Figure 11

17. Attach the cable/kickdown bracket(s) to the adaptor (Figure 12). Attach cable(s) to the throttle lever.

    Note: On vehicles without speed control, position the slotted holes with the previously marked location.

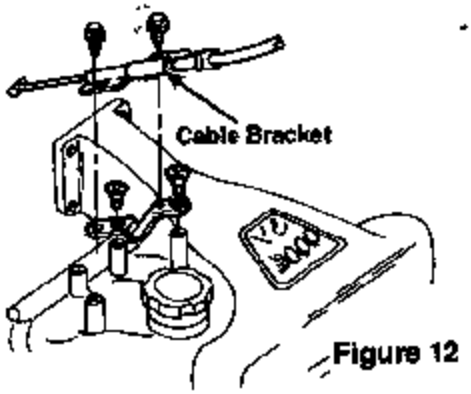

Figure 12

Note: Detailed instructions for the following cable adjustments are provided in the 1989 Raider Service Manual.

18. Adjust the accelerator cable as follows:

- Connect the battery and turn the ignition switch to the "on" position (do not start engine). This allows the idle speed motor to position the throttle blade at the proper idle speed setting.
- After ignition has been on for approximately 15 seconds, loosen the cable adjustment bolts -- at the slotted cable bracket holes. Move the bracket to a position where 1-2 mm (.04-.08 in.) free play/slack is felt when moving the inner cable and tighten bolts. Torque to 45 in. lbs. (5 n-m).
- Check to ensure that the throttle link contacts the stopper (speed adjuster screw). Figure 13.

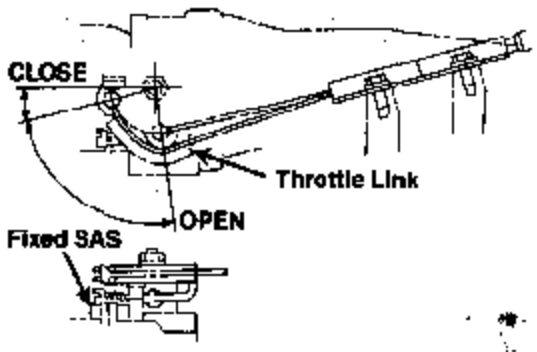

Figure 13

Service Procedure (Continued)

19. On automatic transmission vehicles, adjust kick down cable as follows:

    - Loosen the kick down cable retaining clip at the left side of engine (Figure 14).
    - Rotate the throttle lever to the wide open throttle position.
    - With the throttle lever in this position, check the distance between the inner cable stopper and the outer cable cover at the cable mounting to the plenum. Dimension should be as shown in Figure 15. If necessary, adjust cable to specified dimension.
    - Tighten the retaining clip and secure the cable to the EGR tubes with the supplied tie wrap, cutting off the excess wrap end.

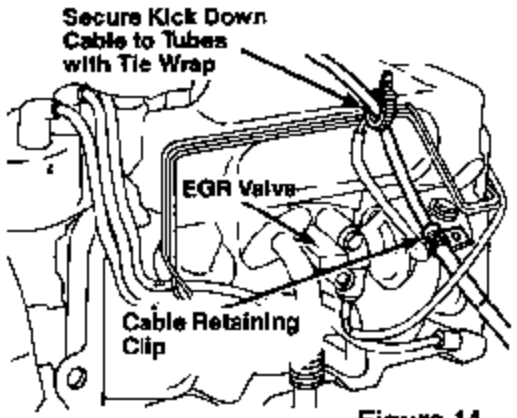

Figure 14

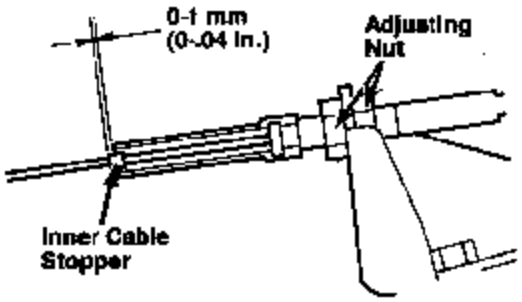

Figure 15

20. Check the coolant level and install the radiator cap. Start and run the engine for two minutes to allow the coolant to heat and circulate. Shut off engine.

21. Covering with towels to absorb any overflow, carefully remove radiator cap.

22. Disconnect hose from throttle body fitting (left unsecured in Step 12) and bleed coolant system. When coolant begins to flow from hose, reconnect hose to throttle body fitting and secure with clamp. Top off coolant, if required, and reinstall radiator cap.

23. Reconnect air duct to throttle body and reconnect breather hose on the duct fitting.

24. Run the engine at normal operating temperature and check for leaks.

Completion Reporting and Reimbursement

Claims for vehicles which have been serviced must be submitted by DIAL dealers on the DIAL System. Non DIAL dealers may submit WROs. Claims submitted will be used by Chrysler to record recall service completions and provide dealer payments.

Enter only ***one*** VIN per claim on a WRO. Fill in the labor operation number and time allowance and write on the WRO "Safety Recall #274T -- Throttle System." Do ***not*** enter other service claims on the same WRO.

Use ***one*** of the following labor operation numbers and time allowances.

	Labor Operation Number	Time Allowance
Install throttle body heat adaptor -- vehicles *without speed control*.	14274282	0.6 Hour
Install throttle body heat adaptor -- vehicles equipped *with speed control*.	14274283	0.7 Hour

Note: See Warranty Policy and Procedure Manual, Chapter 6, Subsection H for complete recall claim processing instructions.

Parts Return

Not applicable.

Vehicle Not Available

If a vehicle is not available for this service for a known reason, let us know by filling out the pre-addressed Vehicle Disposition Form portion of the Owner Recall Notification Form or describe the reason on a postcard and mail to:

Chrysler Motors 416-15-19
Recall Coordination
P.O. Box 1919
Detroit, Michigan 48231-9986

Following the above procedures will expedite the processing of your claim.

If you have any questions or need assistance in completing this action, please contact your Zone Service Office.

R.N. Rossi
General Service Manager
Service and Parts Operations

dc/a4

IMPORTANT

DEALER INSTRUCTIONS

SAFETY RECALL #274T -- THROTTLE SYSTEM

- This recall applies only to 1989 Model Year Dodge Raiders delivered to dealers prior to 2/20/89 and equipped with the 3.0L engine.

- The involved *safety defect* can result in throttle blade icing, preventing the throttle blade from closing to the idle position. ***Be sure to service all vehicles in stock before retail delivery.***

- Only the vehicles included on the ***Vehicle Lists*** are involved in this recall. Other vehicles are being corrected at the ports prior to delivery to dealers. Already corrected vehicles can be identified by the ***heat adaptor*** sandwiched between the throttle body and the plenum.

- A videotape which demonstrates the service procedure is included in the April, 1989 M.T.S.C. program.

CHRYSLER MOTORS

Recall Notification

No. 274T

April, 1989

To: All Dodge Truck Dealers

Subject: Safety Recall #274T -- Throttle System

Models: 1989 Dodge Raider Equipped With 3.0 L Engine -- Vehicles Delivered to Dealers Before 2/20/89

Involved 1989 model Dodge Raiders equipped with the 3.0L engine may experience throttle blade icing during extended highway driving in cold ambient temperatures (below 10 degrees F). In the worst case, ice formation can prevent the throttle blade from closing to the idle position when the accelerator pedal is released.

To correct the condition, a heat adaptor plate must be installed below the throttle body. Hot engine coolant flowing through the adaptor plate will heat the throttle body and eliminate any possible icing.

Important: ***Many of the involved vehicles are in dealer stock. Be sure to complete the service on these vehicles before retail delivery.***

Details of this service action are explained in the following sections. As an additional service aid, a videotape demonstrating the service procedure is included in the April, 1989 M.T.S.C. program.

Vehicle List

Each dealer to whom involved vehicles were invoiced (or the current dealer at the same location) will receive a listing of them with this letter, arranged in Vehicle Identification Number (VIN) sequence. Owners known to Chrysler are also listed. The lists are for dealer reference in arranging for service of involved vehicles.

Each Dodge or Chrysler-Plymouth dealer without a Vehicle List will receive an information copy of this letter by Compak Mail for use in performing the service on involved vehicles upon request.

Parts

Throttle Heater Parts Packages, Recall PN C3940339, are being shipped free of charge to all involved dealers for service of affected vehicles. Each dealer to whom involved vehicles were invoiced (or the current dealer at the same location) will receive enough parts packages to service 100% of those vehicles.

Parts (Continued)

Each recall parts package contains the following components:

Quantity	Description
(1)	Heat adaptor assembly
(1)	Gasket, throttle body
(4)	Bolt w/washer (8x70)
(1)	Sleeve, coolant hose
(1)	Coolant hose, sleeve and clamp assembly (2 clamps)
(1)	Accelerator cable attachment adaptor bracket
(2)	Screw, cable adaptor bracket attaching
(1)	Speed control cable assembly
(1)	Tie wrap

Additional recall parts packages may be ordered without charge from Parts Depots if required. Order only as needed for scheduled repairs.

Owner Notification and Service Scheduling

All involved vehicle owners known to Chrysler are being notified of the service requirement by first class mail. They are requested to schedule appointments for the service with their dealers at the earliest possible date. A copy of the owner notification letter is attached.

Enclosed with each owner notification is an Owner Recall Notification Form #83-295-0019. The involved vehicle and recall are identified on the form for owner or dealer reference as needed.

Service Procedure

1. Disconnect battery.
2. Cover the radiator cap with towels to absorb any overflow and carefully remove the radiator cap.
3. Disconnect air duct from the throttle body -- disconnect breather hose from the duct (Figure 1).

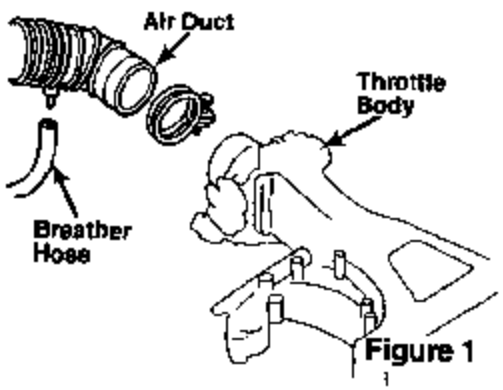

Figure 1

CHRYSLER MOTORS

Chrysler Motors Corporation
Chrysler Center

SAFETY RECALL -- THROTTLE SYSTEM

Dear Dodge Raider Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Chrysler Motors has determined that a defect which relates to motor vehicle safety exists in some 1989 model Dodge Raider vehicles equipped with the 3.0L V6 engine.

Your Raider, whose Vehicle Identification Number is shown on the enclosed form, ***is one of the affected vehicles***. For this reason we ask that you arrange for service to correct the condition without delay. ***This service will be provided free of charge.***

The defect involves the fuel system throttle body. In some cases the vehicle may experience a stuck throttle when operated at temperatures below 10 degrees Fahrenheit. When operated at these temperatures, it is possible that the throttle control valve will freeze and not respond to changes in throttle position. This condition could prevent the engine from returning to idle and could result in an accident.

To correct this condition, an adaptor must be installed to circulate hot engine coolant near the throttle blade, preventing ice from forming.

Your dealer will provide this service for you free of charge. The work will take less than one hour to complete. However, additional time may be required depending on how service work is scheduled and processed. To obtain this free service:

- Contact your dealer as soon as possible to schedule an appointment. We ask that you call the dealer who sold you the vehicle if convenient. However, if necessary, the service can be performed by any Dodge or Chrysler Plymouth dealer.
- Take the enclosed Owner Recall Notification Form with you at the time of your appointment and give it to your dealer. The form identifies the vehicle and recall for which service is required.

If you have any problem obtaining the needed service, please contact the Chrysler Zone Service Office in your area. (It is listed under "Service Assistance" in your Operator's Manual.) A Zone representative will arrange for prompt servicing of your vehicle.

We regret any inconvenience which this action may cause you. However, we believe that you understand our concern for motor vehicle safety, and for your continued satisfaction with our products. If your dealer fails or is unable to remedy this defect without charge within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, Washington, D.C. 20590, or call the Toll Free Number 1-800-424-9393.

Thank you for your attention to this important matter.

SERVICE AND PARTS OPERATIONS
CHRYSLER MOTORS CORPORATION

274T
dc/a4

Buckle up for Safety

12000 Chrysler Drive
Highland Park MI 48288-1919

RECEIVED

1989 FEB 28, AM 8:35

OFFICE DEFECTS

CHRYSLER MOTORS

W R Kittle
Director
Vehicle Safety and Emissions
Quality and Productivity Office

89V-027 (01)

February 21, 1989

Mr. Michael B. Brownlee, Director
Office of Defects Investigation, Enforcement
National Highway Traffic Safety Administration
U. S. Department of Transportation
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Mr. Brownlee:

In accordance with the provisions of the National Traffic and Motor Vehicle Safety Act of 1966 and 49 CFR Part 573, Defect and Noncompliance Reports, Chrysler Corporation herewith furnishes the Defect Information Report which contains details of a recall regarding a potential safety related deficiency in a small number of 1989 model year Dodge Raider Sport Utility trucks. The potential for throttle blade icing exists on the involved vehicles.

Chrysler was made aware of the subject condition by the vehicle manufacturer, Mitsubishi Motors Corporation (MMC). MMC requested that Chrysler conduct a recall to correct Raider models based on its investigation. Chrysler has decided to conduct the recall as requested by MMC.

This recall will be launched in the near future. At the time of the launch, representative copies of communications to dealers and customers will be provided.

Sincerely,

William R. Kittle
dc/b
Enclosure: Defect Information Report #274T

Chrysler Motors Corporation
CIMS 416-15-20
12000 Chrysler Drive
Highland Park MI 48288-1919

CHRYSLER MOTORS

Chrysler Motors Corporation
Chrysler Center

89V-027 (02)

DEFECT INFORMATION REPORT
#274T

Submission date: February 21, 1989

Identifying classification of vehicles potentially affected:

Make	Model	Model Year	Inclusive Dates of Manufacture	Volume	Other Description
Dodge	Raider Sport Utility Truck	1989	Late-April, 1988 through Late-January, 1989	4,300 (Est.)	Vehicles equipped with 3.0 liter V-6 engine.

Estimated percentage containing defect: Unknown

Description of defect:

Throttle blade icing may occur on the involved vehicles during extended highway driving in cold ambient temperature (below 10°F). In some instances, ice formation can prevent the throttle blade from closing to the idle position when the accelerator pedal is released.

Events which were the basis for determining existence of defect:

Mitsubishi Motors Corporation's investigation determined that ice may form on the throttle blade during certain cold ambient operating circumstances, preventing the throttle blade from returning to the idle position. MMC concluded that field action was necessary to eliminate this potential and requested that Chrysler take recall action on Dodge Raider models. Subsequently, Chrysler determined that four Raider models operating in Alaska had been reported to have exhibited the condition at sub-zero temperatures.

Statement of measures to be taken to correct defect:

Heated engine coolant will be flowed through an adaptor plate to be installed under the base of the throttle body on all involved vehicles. The resulting heat will eliminate the potential for ice formation on the throttle blade.

12000 Chrysler Drive
Highland Park MI 48288-1919

CONCURRENCES	
RTG. SYMBOL	NEF-11
INITIALS/SIG.	
DATE	3/9/89
RTG. SYMBOL	NEF-11
INITIALS/SIG.	
DATE	3-6-89
RTG. SYMBOL	
INITIALS/SIG.	
DATE	
RTG. SYMBOL	
INITIALS/SIG.	
DATE	
RTG. SYMBOL	
INITIALS/SIG.	
DATE	
RTG. SYMBOL	
INITIALS/SIG.	
DATE	
RTG. SYMBOL	
INITIALS/SIG.	
DATE	
RTG. SYMBOL	
INITIALS/SIG.	
DATE	

MAR 8 1989

NEF-11bj
89V-027

Mr. William R. Kittle
Director, Vehicle Safety and Emissions
Quality and Productivity Office
Chrysler Motors Corporation
CIMS 416-16-20
12000 Chrysler Drive
Highland Park, MI 48288-1919

Dear Mr. Kittle:

This is to acknowledge receipt of your Defect Information Report which was submitted in accordance with the defect reporting regulations, Part 573.

RECALL CAMPAIGN INFORMATION

NHTSA Recall Campaign ID Number: 89V-027
(Please refer to this number in all future correspondence.)

NHTSA Contact: Mr. James Murray Phone No.: 202-366-5226

Date of Letter: February 21, 1989

Subject: 1989 Dodge Raider Sport Utility Truck; Throttle Blade.

Number being recalled: 4,300

QUARTERLY STATUS REPORTS

The first quarterly status report for this campaign is required to be submitted within 25 working days after the close of the calendar quarter in which owner notification begins. For instance, the current calendar quarter ends on March 31, 1989, and the first quarterly report for recalls where owner notification begins in this quarter is due by May 5, 1989.

Please inform this office when owner notification begins.

Sincerely,

James P. Talentino, Chief
Defect Identification Division
Office of Defects Investigation
Enforcement

NHTSA:NEF:ODI
BJACKSON: 3/2/89
Docket No. 12320

Form DOT F 1320.65 (Rev. 5/83)
Supersedes previous edition

OFFICIAL FILE COPY

RECEIVED

1989 FEB 28 AM 8:35

OFFICE OF DEFECTS

CHRYSLER MOTORS

W R Kittle
Director
Vehicle Safety and Emissions
Quality and Productivity Office

89V-027 (01)

February 21, 1989

Mr. Michael B. Brownlee, Director
Office of Defects Investigation, Enforcement
National Highway Traffic Safety Administration
U. S. Department of Transportation
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Mr. Brownlee:

In accordance with the provisions of the National Traffic and Motor Vehicle Safety Act of 1966 and 49 CFR Part 573, Defect and Noncompliance Reports, Chrysler Corporation herewith furnishes the Defect Information Report which contains details of a recall regarding a potential safety related deficiency in a small number of 1989 model year Dodge Raider Sport Utility trucks. The potential for throttle blade icing exists on the involved vehicles.

Chrysler was made aware of the subject condition by the vehicle manufacturer, Mitsubishi Motors Corporation (MMC). MMC requested that Chrysler conduct a recall to correct Raider models based on its investigation. Chrysler has decided to conduct the recall as requested by MMC.

This recall will be launched in the near future. At the time of the launch, representative copies of communications to dealers and customers will be provided.

Sincerely,

William R. Kittle
dcb
Enclosure: Defect Information Report #274T

Chrysler Motors Corporation
(CIMS 418-15-23)
12000 Chrysler Drive
Highland Park, MI 48288-1919

CHRYSLER MOTORS

Chrysler Motors Corporation
Chrysler Center

89V-027 (02)

DEFECT INFORMATION REPORT
#274T

Submission date: February 21, 1989

Identifying classification of vehicles potentially affected:

Make	Model	Model Year	Inclusive Dates of Manufacture	Volume	Other Description
Dodge	Raider Sport Utility Truck	1989	Late-April, 1988 through Late-January, 1989	4,300 (Est.)	Vehicles equipped with 3.0 liter V-6 engine.

Estimated percentage containing defect: Unknown

Description of defect:

Throttle blade icing may occur on the involved vehicles during extended highway driving in cold ambient temperature (below 10°F). In some instances, ice formation can prevent the throttle blade from closing to the idle position when the accelerator pedal is released.

Events which were the basis for determining existence of defect:

Mitsubishi Motors Corporation's investigation determined that ice may form on the throttle blade during certain cold ambient operating circumstances, preventing the throttle blade from returning to the idle position. MMC concluded that field action was necessary to eliminate this potential and requested that Chrysler take recall action on Dodge Raider models. Subsequently, Chrysler determined that four Raider models operating in Alaska had been reported to have exhibited the condition at sub-zero temperatures.

Statement of measures to be taken to correct defect:

Heated engine coolant will be flowed through an adaptor plate to be installed under the base of the throttle body on all involved vehicles. The resulting heat will eliminate the potential for ice formation on the throttle blade.

12000 Chrysler Drive
Highland Park MI 48288-1919